150Mbps *N* Wireless ADSL2+ Modem Router

WBR-6601

H/W Version: 1

Save space, modem and wireless router in one device

WBR-6601 *N* Wireless Modem Router integrates an ADSL2+ modem and wireless broadband router in one device, allowing you to easily share your high speed ADSL2+ Internet connection over your wired or wireless local network. Easily connect your PCs or network devices in the home of office.

N 11n wireless technology = 6x the speed

Using LevelOne "N technology", users enjoy 6 times the speed, and wider coverage of 11g wireless technology. And with a maximum theoretical throughput of 150Mbps the LevelOne WBR-6601 is an ideal solution for all wireless networking: internet surfing, streaming video and music, sharing files, surveillance and more.

Secure and protected

Do you worry about the security of your network? With LevelOne's WBR-6601 things have never been easier. It has advanced Firewall and Filtering functions to prevent any unwanted access from the Web.

Easy Setup

With the quick and easy setup wizard means you'll have your Internet and computers up and running with a few simple clicks.

1. LED Indicators
2. WAN Interface
3. LAN Interface
4. Reset Button
5. Power Jack

Key Features

- 4-Port switch with 10/100Mbps auto-negotiation and MDI/MDI-X supported
- Conforms to IEEE 802.11b/g standards, and compliant to 802.11n specification
- Allows LAN users to access Internet through Network Address Translation (NAT, IP sharing) simultaneously
- Integrated with bridge/router functionality
- Integrated with Firewall functionality
- Web management for easy configuration and status monitoring
- WEP, WPA/WPA2 ,802.1x supported
- Support Wi-Fi Protected Setup (WPS) technology

Works Well With

WUA-0614
150Mbps *N* Wireless USB Adapter

GNS-2000
2-Bay Gigabit Network Storage

Technical Specification

LAN/WAN Specification

Support Standard
IEEE802.3, IEEE 802.3u 10/100Base-TX, IEEE802.3ab, Auto Negotiation, Auto MDIX

Interface
- Connector: RJ45 for LAN, RJ-11 for WAN
- Number of Port: 1 WAN + 4 LAN
- 100BASE-TX/10BASE-T Auto
- Standard: Full Duplex/Half Duplex Auto
- MDI/MDI-X Change: Auto MDI/MDI-X

Recommended Cable
- 100BASE-TX: Category 5 or more
- 10BASE-T: Category 3x or more

Wireless LAN Specification

Support Standard
IEEE 802.11b; IEEE 802.11g; IEEE 802.11n

Wi-Fi Compliant
WPA/WPA2 Personal

Transfer Rate
- IEEE802.11b:11M/5.5M/2M/1M
- IEEE802.11g:54M/48M/36M/24M/18M/12M/11M/9M/6M
- IEEE802.11n:802.11n 40MHz mode: 135/7, 121.5/6, 108/5, 81/4, 54/3, 40.5/2, 27/1, 13.5/0Mbps 802.11n 20MHz mode: 65/7, 58.5/6, 52/5, 39/4, 26/3, 19.5/2, 13/1, 6.5/0Mbps

Transmission Mode
- IEEE802.11b: CCK (11 Mbps, 5.5 Mbps) DQPSK (2 Mbps) DBPSK (1 Mbps)
- IEEE802.11g: OFDM
- IEEE802.11n: OFDM

Modulation System
- IEEE802.11b: DBPSK, DQPSK, CCK
- IEEE802.11g: BPSK, QPSK, 16-QAM, 64-QAM, OFDM
- IEEE802.11n: BPSK, QPSK, 16-QAM, 64-QAM, OFDM

Access Method
CSMA/CA

Security
- WEP (64bit/128bit)
- WPA-PSK (Personal) / WPA2-PSK (Personal) / WPA-802.1x TKIP, AES
- MAC Address Filtering
- WPS Button Support

Correspondence Mode
Infrastructure

Antenna Type
1 antenna

Others

Reset Button
- Reset to Factory: Push and hold on 8 seconds
- Reboot: Push and release

Environmental Condition
- Operating: Temperature 0 ~ 40 °C /Humidity 85% or less(non-condensing)
- Storage: Temperature –20 ~ 60°C /Humidity 95% or less (non-condensing)
- Power United 12V, 1A

Firmware Specification

ATM
- Supports UBR/(CBR/VBR)
- VPI Range (0-255) and VCI range (32-65535)
- Support OAM F4/F5 loopback
- Payload Encapsulation:
- RFC2684, Multi-protocol Encapsulation over AAL5
- RFC2684 (RFC1483/2684), Bridge mode RFC2684, IPoA
- RFC2364, PPP over ATM (CHAP and PAP supported)
- RFC2516, PPPoE (PPP over Ethernet)
- Support auto-detection for VPI/VCI (VPI: 0~10, VCI: 32~90) and multiplexing method (VC-based, LLC- based)

Protocol Support
- DHCP client/server for LAN
- SMTP
- NTP (Network Time Protocol)
- DHCP client for WAN

Routing
- Cross Segment Static Route
- RIP1, RIP 2

Firewall
- NAT
- Attack Alert (Email) and log
- Denial of Service (SPI)
- Access Control
- Port Forwarding
- Port Range Forwarding
- Schedule-based URL Content Filtering

VPN pass-through
- PPTP (pass through)
- L2TP (pass through)
- IPSec (Pass through)

Management
- Web based configuration
- Remote Management through WAN port

UPnP
Universal Plug-and-Play

Other Features
- DNS Proxy
- Dynamic DNS (Multiple DDNS including Dynamic DDNS, custom DDNS, TZO,)
- DMZ support
- Dial on demand and auto disconnect
- WDS support
- QoS

Firmware Upgrade
HTTP upgrade

Product Diagram

Order Information **WBR-6601:** 150Mbps N Wireless ADSL2+ Modem Router

Package Content

WBR-6601
LAN Cable
Power Adapter
Quick Installation Guide
CD Manual

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